

For Research Use Only

# B7-H4 Recombinant antibody

Catalog Number: 86484-1-RR



## Basic Information

<b>Catalog Number:</b> 86484-1-RR	<b>GenBank Accession Number:</b> NM_001024244.1	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 295322	<b>CloneNo.:</b> 250392C3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q501W4	<b>Recommended Dilutions:</b> WB: 1:1000-1:4000
<b>Isotype:</b> IgG	<b>Full Name:</b> V-set domain containing T cell activation inhibitor 1	
<b>Immunogen Catalog Number:</b> EG3230	<b>Calculated MW:</b> 31 kDa	
	<b>Observed MW:</b> 75 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : rat liver tissue, rat uterus tissue, rat pancreas tissue, mouse liver tissue
<b>Species Specificity:</b> mouse, rat	

## Background Information

B7-H4, also named VTCN1, B7X, or B7S1, is a single-pass type I membrane protein, which contains two immunoglobulin-like domains and belongs to the immunoglobulin superfamily. B7-H4 negatively regulates T-cell mediated immune response by inhibiting T-cell activation, proliferation, cytokine production and development of cytotoxicity. B7-H4 is over-expressed in many cancers, including breast, ovarian, endometrial, renal cell and non-small-cell lung cancers. The predicted molecular weight of B7-H4 is 31 kDa. The glycosylated B7-H4 is 50 to 80 kDa, and the non-glycosylated form is 28 kDa.

## Storage

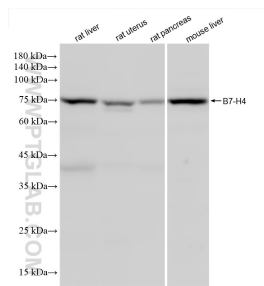
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86484-1-RR (B7-H4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.